



east elevation scale 1/8"=1' spring equinox 10 am



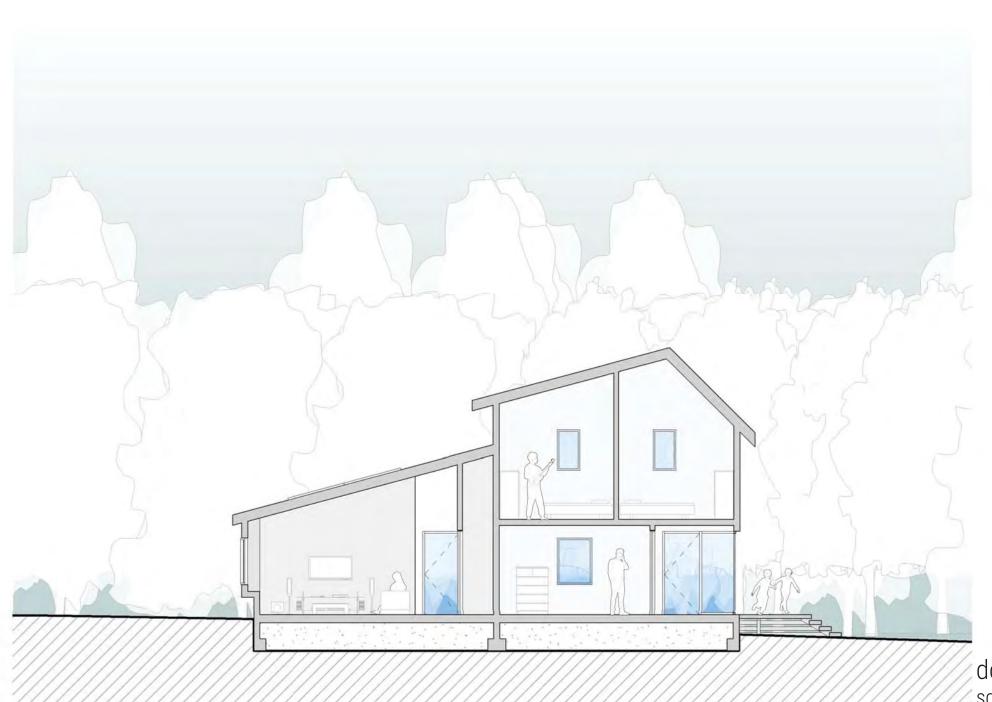
north elevation scale 1/8"=1' summer solstice 5 pm



west elevation scale 1/8"=1' fall equinox 11 am



single unit section scale 1/8"=1'



double unit section scale 1/8"=1'

PASSIVE HOUSING FOR ALL

sustainable + affordable BURTS PIT ROAD - NORTHAMPTON, MA

The Burts Pit Road affordable housing project in Northampton follows the design principles of a passive solar building. By orienting the housing units to the south, we take full advantage of the the sun's energy to help heat and cool living spaces. A thermal mass at the base of the building stores energy during the day and that energy is released at night, keeping the units warm. A large roof overhang protects against too much solar gain during the summer months and a northern facing clerestory window increases ventilation. Passive solar design strategies limit energy usage and lower heating

